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(71)Applicant : KAO CORP

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(54) ANTIBACTERIAL AGENT

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a polymeric antibacterial agent having high antibacterial effect and good dispersion stability even in an anionic surfactant, and to provide a surfactant using the agent.

SOLUTION: This antibacterial agent comprises a polymer having a polymer unit (1), a polymer unit (2) and a polymer unit (3) and ratios of each polymer unit are 10-70 wt.% polymer unit (1), 20-80 wt.% polymer unit (2) and 10-70 wt.% polymer unit (3), and a surfactant containing the antibacterial agent is also provided.

(wherein, R¹, R³ and R⁸ are each H or methyl; R² is H or a 1-22C alkyl or alkenyl; R⁴ is a 2-8C alkylene; R⁵ and R⁶ are each a 1-5C alkyl; R⁷ is a 1-5C alkyl, benzyl or a 1-5C alkyl benzyl; R⁹ is a 1-22C alkyl or alkenyl; AO is oxyethylene or oxypropylene; n is a number of 1-50; and X⁻ is a halogen ion, an inorganic anion or an organic anion.).

